201:26 S/109/60/005/012/024/035 E192/E582

9.4130 (3201,2804,1137,2801)

Leyteyzen, L G., Glukhovskoy, B.M. and Tarasova, Ye. I.

AUTHORS: TITLE:

Simultaneous Activation of Various Photocathodes and

Emitters in Photo-electron Multipliers

PERIODICAL: Radictekhnika i elektronika, 1960, Vol.5, No.12,

pp. 2038-2045

TEXT: A large number of photo-electron mutualizers was analysed and the characteristics of their photocathodes were investigated. The photomultipliers were of the standard industrial or laboratory type. First the spectral characteristics of a number of multistage photoelectron multipliers with bismuth-silver-cesium cathodes and antimony-cesium emitters, as well as Al-Mg alloy emitters were Some of these are shown in Fig.1, investigated experimentally. where the wavelength is shown on the abscissa in microns. spectral characteristics of the multipliers with oxide-silvercesium cathodes were also investigated and the results are given graphically. It is concluded that the shape of the characteristics of the tubes with antimony-cesium emitters is due to the strong adsorption of cesium by the emissive layer so that a film of free cesium is formed on the cathode which lowers its work function. Card 1/5

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Simultaneous Activation of Various Photocathodes and Emitters in Photo-electron Multipliers

The secondary emission coefficient of the photomultipliers was investigated at a fixed voltage and it was found that it varied considerably from sample to sample, depending on its processing conditions. The average efficiency characteristics of the secondary-emission surfaces were also investigated. The efficiency coefficient is defined as the average gain of the multiplier per stage; this was obtained by measuring a large number of samples and determining the voltage and sensitivity distribution for the cathodes (I.Ya.Breydo et al., Ref.1). In general, the distribution curves have the form of the normal Gaussian distribution. The average gain coefficients per stage for a number of standard multipliers produced in 1959 with various emitters were investigated by the above method and the results are given in a figure, while the details of the multipliers are shown in a table. The same figure shows also the gain of some of the American tubes (made by RCA). From the experimental data given in the figures it is seen that for the same interstage voltages the gain of the multipliers with antimony-cesium emitters is much higher than that of the tubes with Card 2/6

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Simultaneous Activation of Various Photocathedes and Emitters in Photo-electron Multipliers

alloy-type emitters; the highest gain is obtained in the multipliers with a lateral optical input. The efficiency of various multiplier systems is approximately identical but the coefficient of the secondary emission as a function of voltage differs considerably. The effect of the presence of alkali metals on the secondary emission coefficient of alloy-type emitters was also investigated. According to N. Schaetti (Ref. 3), M. Biermann and W. Kruger (Ref. 4) and Ye. G. Kormakova and V. G. Pavlovskaya (Ref. 5) the presence of cesium leads to an increase in the secondary emission coefficient o. This effect was investigated for the Al-Mg emitters for the multipliers provided with a heated cathode. The overall gain of the multipliers was measured during various processing stages and the The results of these measureaverage gain was then calculated. These show the gain per stage ments are given in Figs. 4 and 5. as a function of the interstage voltage, curves 1 and 2 in Fig. 4 illustrate the effect of thermal activation, curves I and 21 represent the processing with K-Na while curves 1" and 2" illustrate the influence of Cs processing. Curves 1 2 and 3 in Fig.5 show Card 3/6

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Simultaneous Activation of Various Photocathodes and Emitters in Photo-electron Multipliers

the gain after the thermal activation, while curves $1^{\circ}, 2^{\circ}$ and 3° illustrate the effect of Cs processing; in both figures the same emitters made of Al-Mg alloy were used. The dark current of the multipliers, which determines their sensitivity, was also investigated. It was found that the spread of this parameter, at a given sensitivity, in the standard commercial tubes was very considerable (several orders) and was much higher than the spread of other parameters. It was found that oxide-resium cathodes give a constant thermal component of the dark current, which does not increase when the cathode is illuminated, On the other hand, an Sb-Cs cathode, operating with antimony-cesium emitters, has a very The multipliers with various other types of low thermal current. cathodes and with Al-Mg emitters give almost identical results as regards the thermal current. It is thought that the reason for the comparatively high dark currents in the multipliers with Sb-Cs cathodes and alloy-type emitters, as compared with other cathodes and emitters, is the luminescence of the alloy-type emitters.

Card 4/6

: 11

201/26

S/109/60/005/012/024/035 E192/E582

Simultaneous Activation of Various Photocathodes and Emitters in Photo-electron Multipliers

There are 7 figures, 2 tables and 7 references: 3 Soviet and 4 non-Soviet.

SUBMITTED:

December 21, 1959

Fig.1

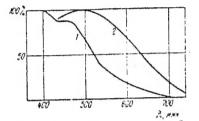


Рис. 1. Спентральные характеристики висмуто-серебряно-цезиевых катодов: 1 — о Sb — Съ-выяттерами; г — с Al — Ма-

Card 5/8

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AUPHORD:

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Tirbit

respectives of the past activities of the collective activities-

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PERIODICAL: Accounty made SULE. Townstiys. Herr, C. 12.75 Hadra.

That: Some properties of the monocrystalline poster, attracts has up lety of type 1 > -36 (Fav-je) and 1 ->1 (VSH->1) with sum - runsparent So-Na-K-Co- photocotnodes are rescribed. The authors eshablic todevelopment stage of these mailtagliers in 1961 and deries production is now being planned. The FEU-pt multiplier for light measurements has a rathode of 25 mm diameter and 11 multiplying ensendes. The basket-shoped emitters were produced from the activated ... -2 (BrB-2) alloy and activated before the multiplying system was mounted. The alkaline metals were prepared by heating tablets of the enrosster of 2, 3a, 3a and of well jurified posderized titanium (reducing agent). The logarithms of the securivities and the dark ourrent increase almost linearly with the voltage. For FET-58 this increase is steeper than for FEU-)1. FEU-35 and FEU-31 are sensitive Card 1/2

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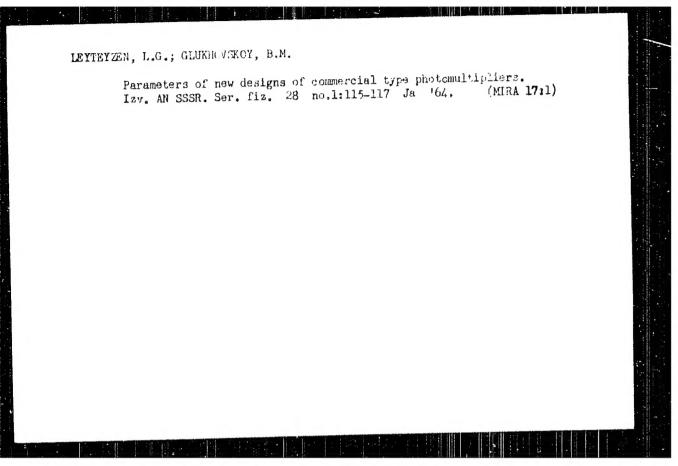
Properties of the photoelectronic...

3,040/02/02/01://201/02: 812://310.

in the range 350 - 830 m with a max was at 250 m. According to measurements by A. C., portsoy if the institut equiates andy . I rike in . icheskoy ciologii AN . o a limititute of madiation and inviscochemias Biology AS USURI the sides, to she is putto a taken soo and fire to all the rich in -41 multiplier is ten time, higher, and that of the sporest is 4.5 tames higher than the ratio is the reference temple multiplieds which well, and -22. The best fall-of mules, here and emembers that the or the same a low and a paratterity thresheld to per-D from the bear of much with modulated limit locals the light threamels of the Policy Citivitiers in more than to the and good as that of four " After a recentuar installion the instability of most of the and territors so mains befor it. The explantive of the new maitire, a relate the grad over after operation of the go boars. The emitters, is particular, show no fatigue. Col will errors a in connection with Jahaja sive a light piets more than water has of energy maitipliance which had impay sometime product the resolution . If you have admission sith flow at the City dryntain of ready the site in the training

Card 2/2

EWT(1)/EWT(m)/EPA(w)-2/EEC(b)-2/EWA(m L 25071-65 Peb IJP(a) 5/0275/64/000/007/4034/403 ACCESSION NR: AR4045741 SOURCE: Ref. zh. Elektronika i yeye primeneniye; Svodny*y ton, Abs. TA 190 AUTHOR: Leyteyzen, L. G.; Glukhovskoy, B. M.; Berkovskiy, A. TITLE: Characteristics of new types of multistage multiplier phototules intended for scintillation spectrometers CICED SOURCE: Sb. Stsintillyatory* i stsintillyats. material; Khari kov, Khar'kovsk. un-t, 1963, 217-220 TOPIC TAGS: multiplier phototube / FEU-28, FEU-32, FEU-37, FEU-38, FEU-39, FEU-51 photomultipliers TRANSLATION: Fundamental parameters and characteristics are presented of these industrial multiplier phototubes developed in 1960 and covering the 170-1,200 nm wavelength band: FEU-28, FEU-32, FEU-37, FEU-38, FEU-39, and FEU-51. Elbliography: 1 title. FINCL: 00 SUB CODE: RC Card 1/1



L 14373-65 ENT(1)/ENG(k)/EED(4)/EED(4)/ENA(b) FI-B/P-1 15P(b)/ AFMD(t)/RAEM(a)/ESD(gs)/ESD(t) AT 5/0048/64/028/009/1450/1451 ACCESSION NR: AP4045298 AUTHOR: Leyteyzen, L. G.; Glukhovskay, B. M.; Epiliteyn, M. I. TITLE: Investigation of the sensitivity thresholds of photomultipliers? Tenth Conference on Cathode Blectronics held in Klay From 11 to 18 Nov 1963] SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya. v. 28. no. 9. 1964, 1450-1453 TOPIC TAGS: photomultiplier tube, photomultiplier characteristic, photocathode ABSTRACT: For a number of applications of photomultipliers it is essential to know the spectral sensitivity threshold and peak sensitivity region of the tubes. Accordingly, the absolute values of the sensitivity threshold wavelengths of photomultipliers with 5b-Cs, Ag-O-Cs, B1-Ag-O-Cs, Sb-K-Na-Cs and Sb-K-Na photogathoids, which represent the five basic types of photocathodes, were determined. measurements were carried out on a special setup for this purpose, Card 1/2

L 14373-65
ACCESSION NR: AP4045298

using interference light filters, for each of which the exact traismission curve was first obtained. The measurement results are presented in the form of curves characterizing the variation of the spectral sensitivity threshold with wavelength and the absolute spectral sensitivity with wavelength for each type of photocathods. The regions of peak spectral sensitivity do not teincide with the regions of optimum sensitivity. The characteristics of Ag-O-Cs regions of optimum sensitivity. The characteristics of Ag-O-Cs photocathodes are distinctive. The test data should be helpful in selecting photo-multipliers for specific applications. Orig. art. has: 1 formula and 3 figures.

ASSOCIATION: none

SUBMITTED: 00

SUB CODE: EC

NO REF SOV: 000

ENCL: 00

DTHER: 000

Card 2/2

KEYACHEC, A.L., inzh.; GETROV, L.I., inzh.; GLURHEVEKIY, K.A., kara, tekhn. nauk, inzh., red.; GEERSFEEVE, B.V., kana. tekhn. nauk, prof., red.; GEERSFEEVE, B.V., kana. tekhn. nauk, red.; KOSTYUMEVEKIY, E.G., kani. tekhn. nauk, red.; KAVIOV, H.A. doktor tekhn. nauk, red.; KUREK, H.H., kard. tekhn. nauk, red.; LWYLGETY, L.G., inzh., red.; LOBANIV, N.D., inzh., red.; MOMOZOV, A.I., inzh., red.; UNIASHVILI, (.F., doktor tekhn. nauk, prof., red.; JARFICIANIY, K.V., doktor tekhn. nauk, prof., red.; FILII, A.F., doktor tekhn. nauk, prof., red.; A.L., inzh., nauchn. red.

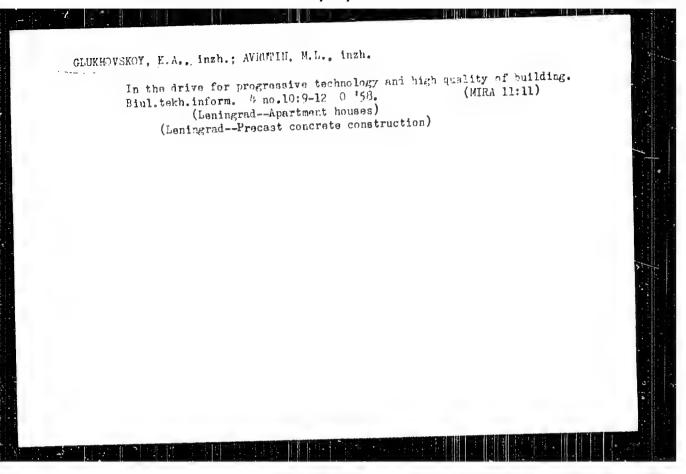
Three-allensions structural elements in the U.S.E.L.; materials of the All-Union Conference on irecast heinforced Concrete Three-Dimensional Elements held in Hoverber 13-17, 19-2 in Leningrad Frostranstvenge konstruktofi v SSSk; po materialam pervoso Vossoiusnoso sovethehania posternym zhelemeneternym prostranstvennym kons ruhtsiiam, costoiavshegosia 13-17 noiabria 1962 g. v Leningrade, Leningrad, Somiiniat, 1962. 461 p. (MIRA 17:11)

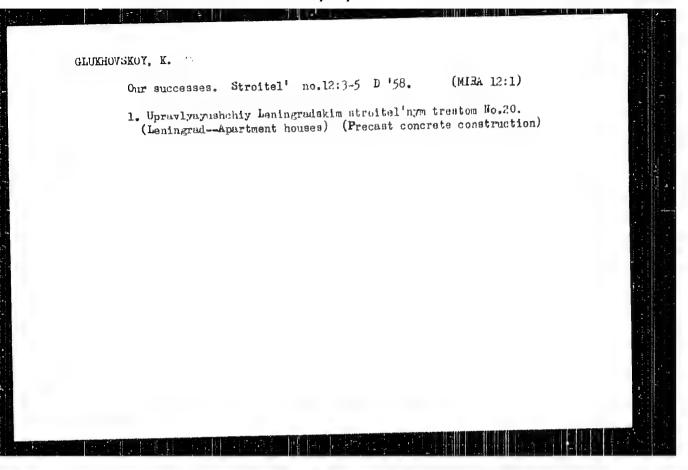
1. Nauchno-tekhnicheskoye obshchestvo stroit-linov insustrii CSSL. Leningradskoye otdeleniye.

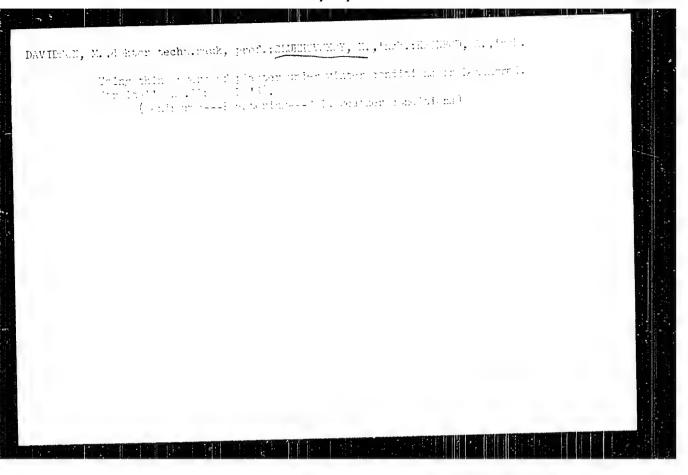
GLUKHOVSKOY, K.A., inzh.; KROHROD, A.A., inzh.; BMDIN, M.A., inzh.

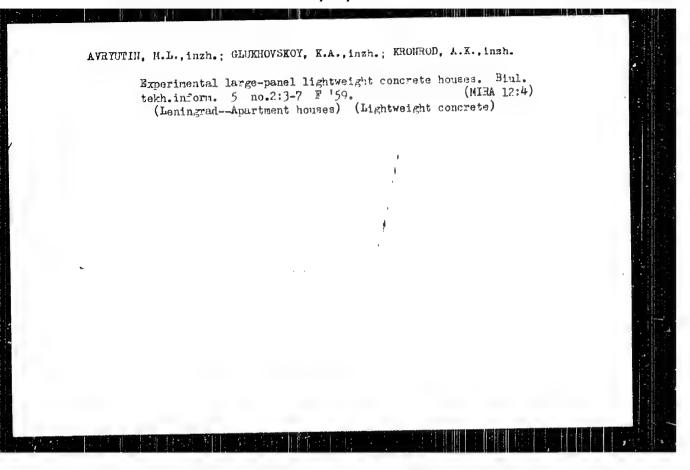
Using rammed concrete piles in making foundations for light
buildings and structures. Biul. tokhn.inform. b no.9:10-13
S 158.

(MFA 11:10)

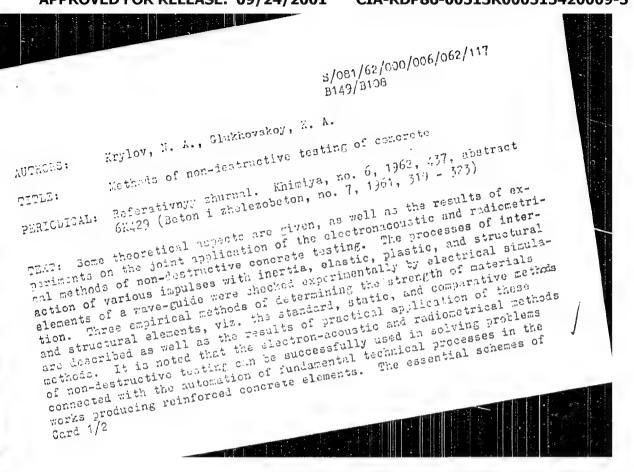












S/031/62/300/005/062/117

Bethods of non-destructive ... B145/B108

automation are given for preparation of cenerate mixtures with a constant water-to-cement ratio, compaction of concrete mixtures, prestressing of reinforcement, and treatment of materials in autoclaves. [Abstracter's note: Complete translation.]

CLUKHOVSKOY, K.A.; EMDIN, N.A.

New thin-walled three-dimensional reinforced concrete elements in Leningrad. Bet. i zhel.-bet. nc.10:436-441 0 '61.

1. Zamestitel' nachal'nika Glavleningradstroya (for Glukhovskoy).

2. Nachal'nik uchastka stroitel'stva obolochek Glavleningradstroya (for Endin).

(Leningrad--Roofs, Shell)

GLUKHOVSKOY, K.A.: KHYLOV, N.A.; KHONNOD, A.A., inzh., nauchn. red.;

MARKIS. B.M., red.; KUZIMINA, N.V., tekha. red.

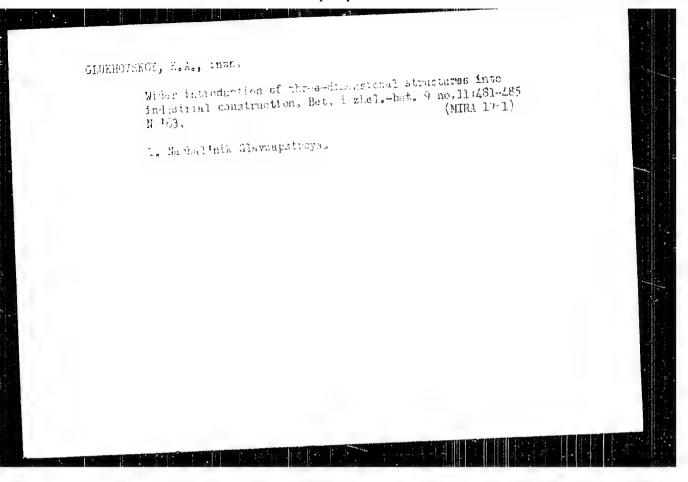
[Nondestructive methods of testing materials] Nerazrushaiushchie metody ispytaniia materialov; materialy k Vserossiiskomu soveshchaniiu po prostranstvennym konstruktsiiam. Leningrad, Izd. ot-la tekhn.informatsii tessta "!eningradorgstroi," 1962. 71 p. (MIRA -6:8)

1. !eningrad. Upravleniye po zhilishchnomu i grazhdanskomu stroite!'stvu.

(Nondestructive testing)

GLUCHOVSKOJ, K.A. [Glukhovskoy, K.A.], inz. Prefabricated reinforced concrete roof structures for onestory industrial halls in the Soviet Union. Foz stavby 10 no.12:631-634 D 162. 1. Namestek reditele Leningradostroje, Leningrad.

> CIA-RDP86-00513R000515420009-5" APPROVED FOR RELEASE: 09/24/2001

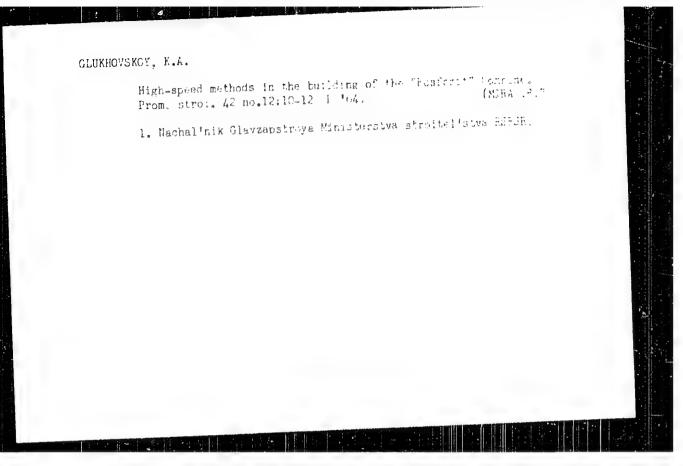


GLUKHOVSKOY K.A., inzh.

Mechanication of the construction of pile foundations for residential buildings in Leningrad. Mekh. stroi. 20 no.6:4-6 Je '63.

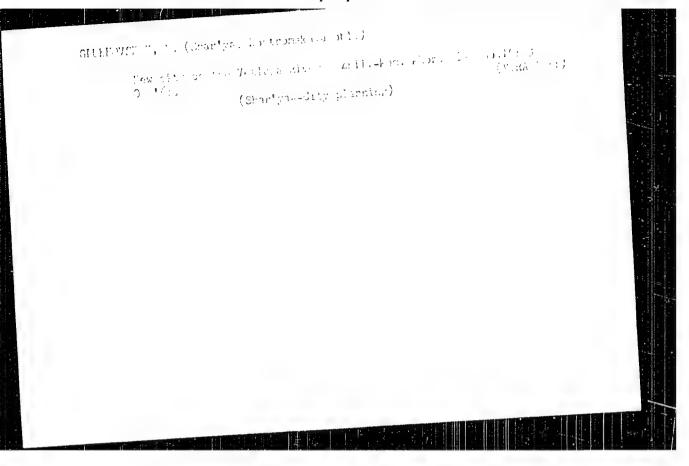
(MIRA 16'5)

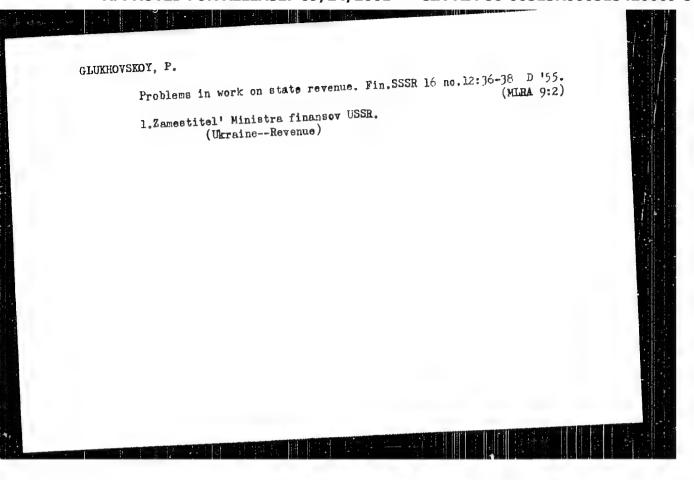
(Leningrad--Piling (Civil engineering)) (Leningrad--Foundations)



The contributions of reinforced concrete shells to completely precast industrial consturction. Na stroi.Ros. 3 no.9:15-17 S'62. (MIRA 15:12)

1. Zamestitel' nachal'nika Glavnogo Leningradskogo upravleniya po zhilishchnomu i grazhdanskomu stroitel'stvu (for Glukhovskoy). (Roofs, Shell) (Industrial buildings)





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L 11456-65 EWT(m)/EWP(j)/T Pc-4 SSD/AUNL/ASD(m)-3/AS(mp)-2/AUETR/RAEM(1)/ACCESSION NR: AP4047673 ESD(gs/ESD(t) RM6/0303/64/000/005/0008/0009

AUTHOR: Yukel'son, I. I., Glukhovskoy, V. S.

B

TITLE: Chemically stable coatings based on polyarylene alcyls

SOURCE: Lakokrasochny*ye materialy* i ikh primeneniye, no. 5, 1964, 8-9

TOPIC TAGS: polyarylene alkyl, lacquer, cross-linked polymen, sulfurated polymer, thermosetting polymer, paramagnetic resonance, infrared absorption spectrum

ABSTRACT: The author investigated the feaction products of polvarylene alkyls with sulfur, forming thermosetting materials. Polyethyl-phenylene-ethyl (d = 1.0006, average mol. weight = 1200) was used as a carbon-chain saturated polymer of the fatty aromatic series and sulfur was the cross-linking agent. The mechanism of cross-linking of polyethyl-phenylene-ethyl by sulfur is distrussed and interpreted by chemical equations. Paramagnetic resonance analysis and infrared absorption spectra of the cross-linked product showed that during the reaction the macromolecule increases in size and bonds are formed between the chains. The sulfur bridges and G-C bends are formed preferably between the alkyl parts of the macromolecules. The resulting cross-linked polyethyl-

L 14456-65 ACCESSION NR: AP4047673

phenylene-ethyl is a thermosetting product. The specific viscosity of the initial polymer was 0.0680, that of the cross-linked polymer increased to 0.3614, and the amount of bound sulfur was 5.2%. The lacquer obtained from this polymer contained 100 g of cross-linked polyethyl-phenylene-ethyl, 15 g of plasticizer (dibutyl phthalate) and 240 g of solvent (xylene). It was found that the coating based on this polymer has a high resistance to acids, alkalies, atmospheric kept for 2 months in concentrated HCl and HNO3, 50% H2SO4 and alkali. After drying at 120C for 1 hour, then at 210C for 20 minutes, the films had an Orig. art. has: 15 chemical formulas.

ASSOCIATION: None

SUBMITTED: 00

ENGL: 00

SUB CODE: OC. MT

NO REF SOV: 003

OTHER: 000

Card 2/2

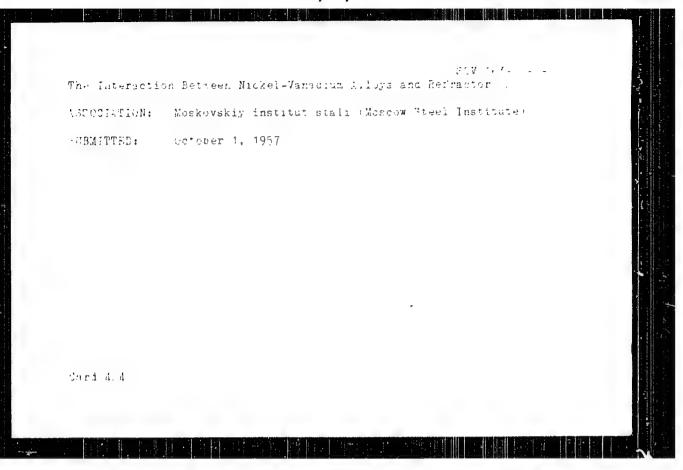
L 54961-65 EWT(m)/EPP(c)/EWP(1)/T-Pc-4/Pr-4 ACCESSION NR: AP5014165 UR/0080/65/038/005/1169/1169 541.6 65 AUTHOR: Yukel'son, I. I.; Kozyreva, Ye. F.; Elukhovskoy, Garmonov, V. I. TITLE: Synthesis and optical properties of polyethylphenylenethyl SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 5, 1965, 1165-116 TOPIC TAGS: polycondensation, dichloroethane, polyethylene, polyethylenethyl ABSTRACT: Polyethylphenylenethyl was prepared by polycondensation of Liz-dictiono ethane with ethylbenzene under conditions typical for Friedel Crists reactions. At constant conditions an increase in the catalyst (AICL's) concentration up to a certain level is reflected in an increased molecular weight of the moduct polymer. The average molecular weight of the polymer increases also with a deciriose of the molar ratio of ethylbenzene to dichloroethane. In the case of excess of ethylbenzene the polycondensation reaction is linear and the polymer structure is C₂H_{1i} C_sH_s Calls 1 Card 1/2

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Maximum of the average molecula	r weight of t	the polymer re	sults irom	equimolar r	atio	
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phenylenethyl. Orig. art. has:	2 tables, 3	figures, and	i 3 formula	3 .		
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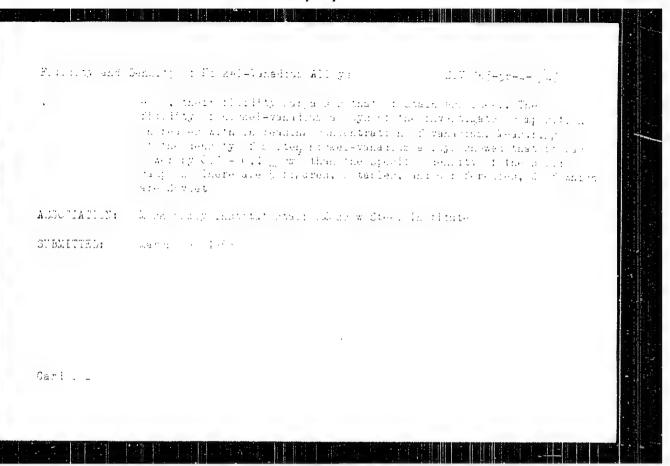
* CV 161-61-17 31 Yelyutin, V. E., Exvior, fa. J., Glukniytaev, B. V. TORCH 1: The Intersection Between Nicket-Vanatium Alloys and Refrac-T1713: tories (Vzaimodeyerviye dikelevinadiyevykh spisyov s ogneuporami; Naschnyye uokiady vysoney chkoly. Motol orgiva, to A. Mr. J. PERIODICAL: up 87-92 (USSR) The present investigation was carried out to improve the tech-ABSTRACT: nology of high-temperature allovs, especially is regard to Taremoval of inclusions of non-metals or gases in allows Nickel-vanadium alloys were used as initia, materials the meth of which was produced at '800 - 1 900'. The rest of tra nickel-vanation aliens was carried out in cracibles of $M_{\pi}^{(2)}$. Pag. Zro, with different duration of storing. The analysis shoved that the alloys were rich in gasts such as 0.07% -0.0727 0, and 0.01 - 0.097% N, It was found that the high gas content of the allowe is caused by inclusion of the indicamaterials, especially the attrinom thermic vanedium. Card 1/4

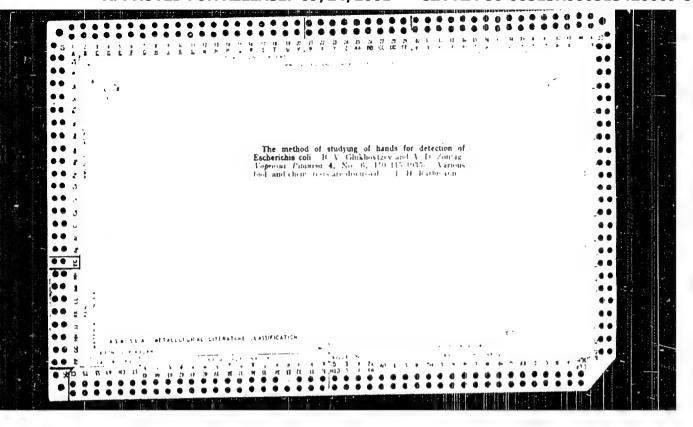
169 161 - Hatain 1 - 17 11 The Interaction Between Nickel-Vanadius Allova and Sefractories To retermine the sustable refrectory for the ninker-vanadum allows the interaction between the allow, and in refractory was investigated. Venadium is a combinatively active metal in the most and reacts energetically with the retractories of the armentle, bringing imparities into the moral melts, in the reactions mainly VO read to anothe interestion termeen VO and the exides of refractiones also VD, is formed. The lower starbility of 3r0, as compared to varietium melto is probably a consequence of the reaction 20rd; - V # Ur.O. By means of radioactive indicators the character of the intite action between the refrictory and the limits wetal alloy fitte a variadium content of for and determined. Or , was used is not fractory to which the radioactive isotice Zr was aided. The investigations conwed that non-metall o impurities can be avoided only of the melt in not overreated and is left or the state of melting for as shirt a period as possible. The reaction products fore investigates also to means of x say 'ard 1 1 structural analysis to explain the engractor of the interac-

907/1641-811117 13 The Interaction Between Nickel-Vanadium Alloys and Refractories tion between the refractory and the liquid nickel-vanadrum alloys. This analysis showed that in the interaction terms-a the alloys and the refractory ZrO_{2} is reduced to Zr_{2} The character of the interaction between the alleys and the refractories of beryllium oxide was not explained by the y-ray structural analysis. Probably only little variation exide is formed in the interaction; this variadium exide dissolves in the melt. Beryllium vapor is formed which also oussolves in the metal mel". Experiments on the interaction of mickel-vanadium al. We and Al₂C_x were also carried out. The macro- and microscopic investigation of the surface of zirconium bricks showed trat in the melting in ziroin. im crucibles in the case of a longer period of st rage the meta ment penetrated the MrC. In meiting benyilling and alimin a saide in crucibles the interaction between the (iq. 1 mg/4) and the retractory is much smaller. There are ! figure and ! reference, Card 7 4



... 'ATTHORU: engale e a savera e ana. Complete e a S.V. 3 1, 183-58-4-944 In typang lengity of lookel-Vanage in Alloys
 Double teachest' of Inthot' spray wonlinelya s vanasiyes? A LANGE LINE AND A The integral allege operaty brackly, wetall argues, 1999, Nr 4, 44 1. - 1 1.33h, ABJTRACL: In order to betermine the charactery a make .- vanadram slloys of a Fig. 1 (1), j0, and jj, ji to variation, the method of scuring the all que into a list of the Buff-type was unders by this method, the tests can be carried but in vacuum or in a neutral atmosphere. The metal was melted in erucicles of sergifium-chide with argon in a neigh-temperature resistance formace with a graphitic carbon heater. A special furnate structure as shown here allowed the metal to be pured into consider without disturbing the tightness of the forhave. The experimental method of polyutin and Laurakh (Ref 6) was tingly gold to determine the openiing prayity of the onelt. This formen your method is rather on the out restained by investigating the illusing of the momentary was a suparious content of 45, 50, and To all thes found that these allays shower a mather good fluidity; Carl 1, a





F-6

USSR /Microbiology, Medical and Veterinary

Microbiology.

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35793

Author : Glukhovtsev, B,V.

Title : Yeast-like Fungi and Their Role in the Spread of

Some Bacterial Infections

Orig Pub: V sb.: Eksperim. i klinich. issledovaniia II, L, Medgiz, 1956, 332-333

Abstract: No abstract.

Card 1/1

F-6 USSR /Microbiology. Medical and Veterinary Microbiology. Abs Jour: Referat, Zh.-Biol., No. 9, 1957, 35785 Author : Glukhovtsev, B.V.; Kurushina, T.M.; Maslova, G.V. : Characteristics of the Yeast Flora in Various Title Skin Infections V. sb: Eksperim. i klinich. issledovaniia II, L, Orig Pub: Medgiz, 1956, 335-336 Abstract: 6232 examinations of persons sick with various forms of skin diseases were conducted. In 306 cases various yeasts, primarily C.albicans (113 cases), and other representatives of the genus Candida (76 cases) were isolated. In 19% of the positive cases fungi of the specie Trichosporon were isolated. A supposition is expressed about the identity of Trichosporon and Geotrichoides. Card 1/1

= --

USSR Microbiology. Medical and Veterinary

Microbiology.

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35790

Author : Glukhovtsev, B.V.

Title : The Transmission of the Yeastlike Fungl of the

Genus Candida

Orig Pub: V sb.: Eksperim. i klinich. issledovaniia II, L,

Medgiz, 1956, 339-340

Abstract: In experimentally infected guinea pigs and rab-

bits, yeast-like fungi were isolated from the internal organs of outwardly healthy animals. Mycosis-bearing was studied in people. Representatives of the Genus Candida were isolated from the mouth cavity in 32.5% of the examined school children, from the genitalia of 28% of the women,

from the organs of persons who had died from

Card 1/2

USSR /Microbiology, Medical and Veterinary Microbiology.

18 -6;

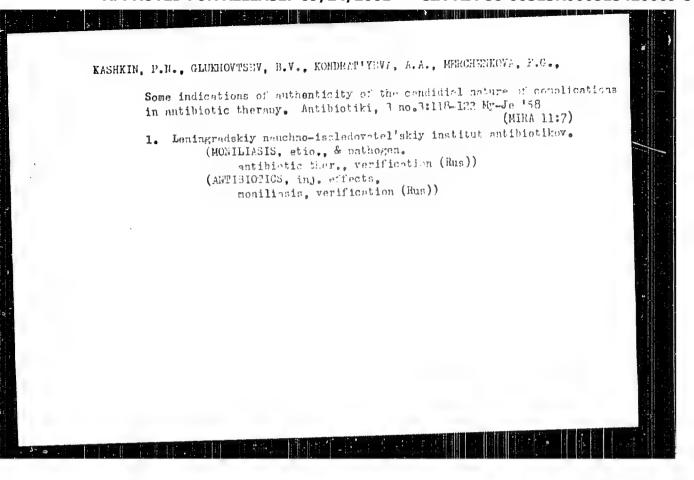
Abs Jour: Referat, Zh.-Biol., No. 9, 1957, 35790

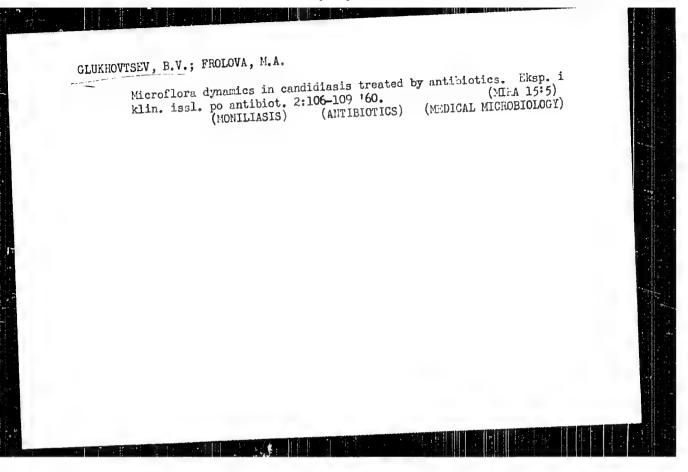
tubelculesis (in 40% with the hematogenic-disseminating form and 53% in the fibre-cavernous form), in the saliva of persons sick with tuber-culosis, and in the contents of the stomach, taken on an empty stomach from persons sick with stomachintestinal diseases.

Card 2/2

"APPROVED FOR RELEASE: 09/24/2001

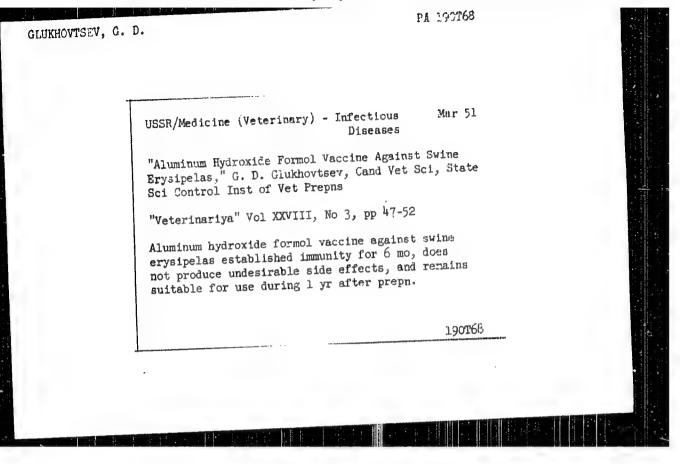
CIA-RDP86-00513R000515420009-5

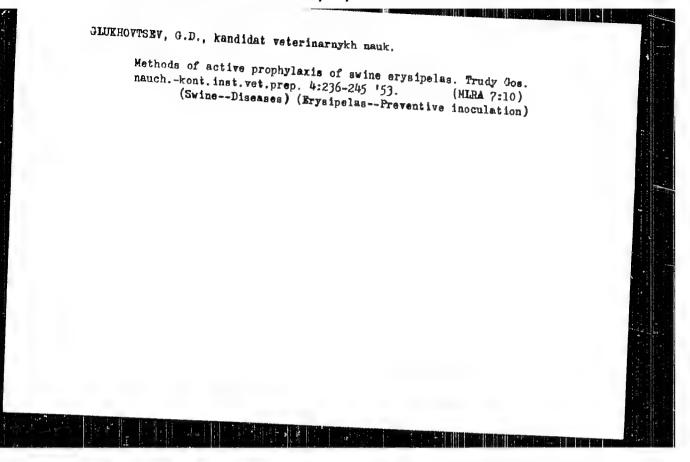




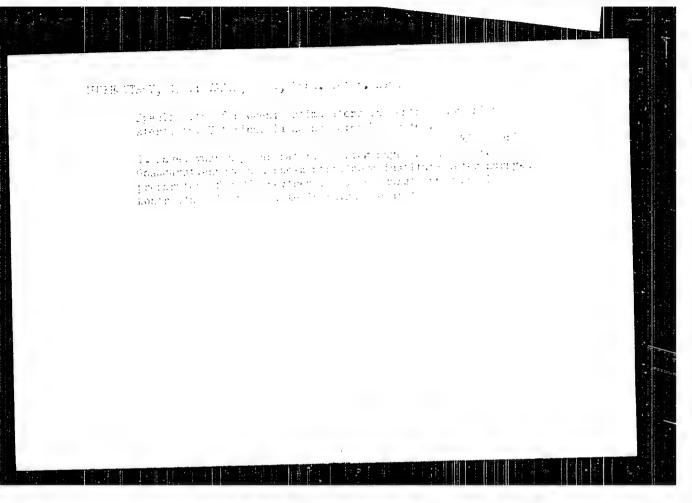
"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515420009-5





USSR / Microbiology. Microbes, Pathogenie to Man and Animals. General Problems. : Ref Zhur - Biologiya, No 5, 1959, No. 19537 Abs Jour : Glukhovtsev, G. D. : State Scientific-Control Institute of Author Veterinary Preparations Inst : Serological Standardization of Erysipelas Title Strains in Swine : Tr. Gos. nauchno-kontrol'n. in-ta vet. preparatov, 1957, 7, 230-236 Orig Pub : To select immunogenic strains, the author applied the hemagglutination reaction (HAR). Abstract It was demonstrated that strains, producing HAR in dilutions of 1: 32, 1: 64 and higher, possess immunogenic properties. Standard agglutinating sera were obtained by Card 1/2



GLUKHOVTSEV, L.V.; ZAKHAROVA, S.V.

Preparation of furan dialdehydes. Izv.AN SSSR.Ser.khim. no.2:
390-391 F '64.

(MIRA 17:3)

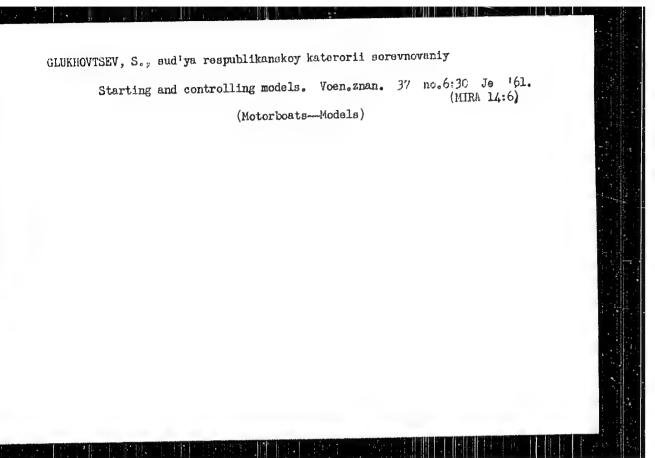
1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

GLUKHOVTSEV. S.; ZAKHAROV, S., insh.

Homemade flotilla. Tekh.mol. 28 no.10:16 '60. (MIRA 13:10)

1. Hachal 'nik TSentral 'noy morskoy model 'noy laboratorii Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Glukhovtsev).

(Ship nodels)

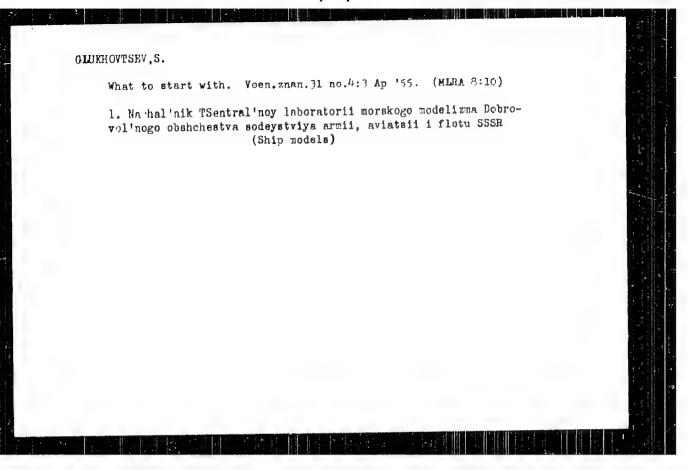


GLUKHOVTSEV, S.A.; DERBEDENEV, G.A., redaktor; MUNTYAN, T.P., tekhnicheskiyredaktor

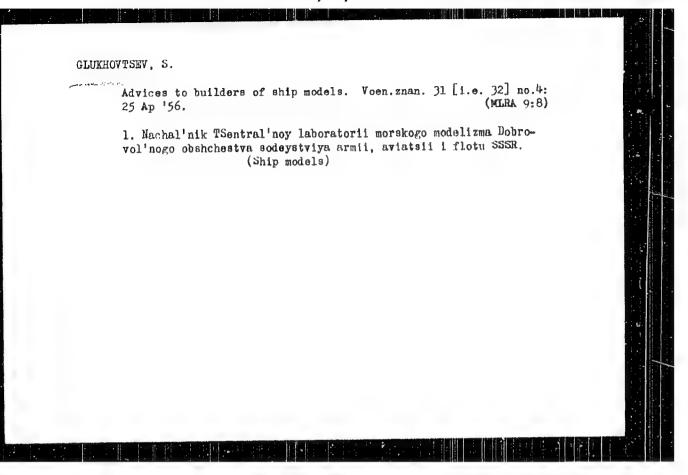
[The seaworthiness of a ship; aids for student organizations, All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy groups and builders of ship models] Morekhodneys kachestva korablia; posobie dlia uchebnykh organizatsee, kruzhkov Dosaaf i morskikh modelistov. Moskva, Izd-vo Dosaaf, 1954. 26 p. (MIRA 8:5) (Ship models)

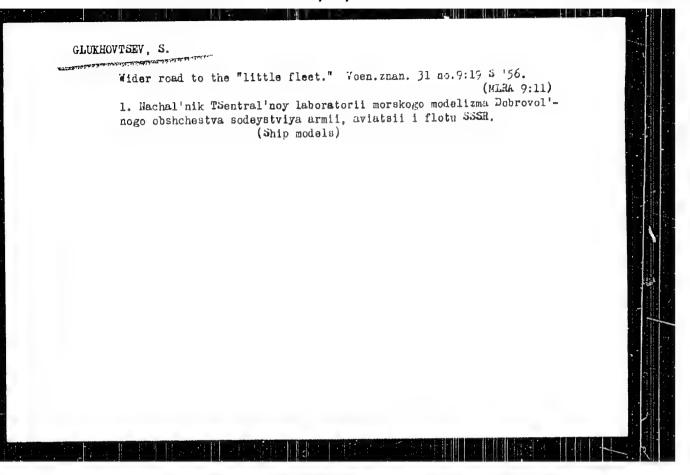
GLUKHOVTSLV, S.A. Forekhodnyye Kachestva Koraclya. Posociye dlya uchec. organizatsiy, kruzhkov DUSAAF i morskikh modelistov. M., Izd-vo DUSAAF. 1954. 28s. s ill; ll. chert. 20sm 5,000ekz. lr. 15k.-(54-57997) P 629.12 (086.5) 629.12.07

SO: Knizhnaya Letopis', Vol. 3, 1955









GLUKHATERSAY S.A., MUSHIN, M., redaktor; MUNTYAN, T.P., tekhnicheskiy redaktor

[Seagoing properties of vessels; handbook for educational organizations of associations of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Mary and for neval modelmakers]
Horekhodnye kachestva korabila; posobie dlia uchebnykh organizatsii, kruzhkov Denari i morekikh modelistov. Moskva, Iza-vo DOSAA, 1957.
28 p. (Kina 10:10)

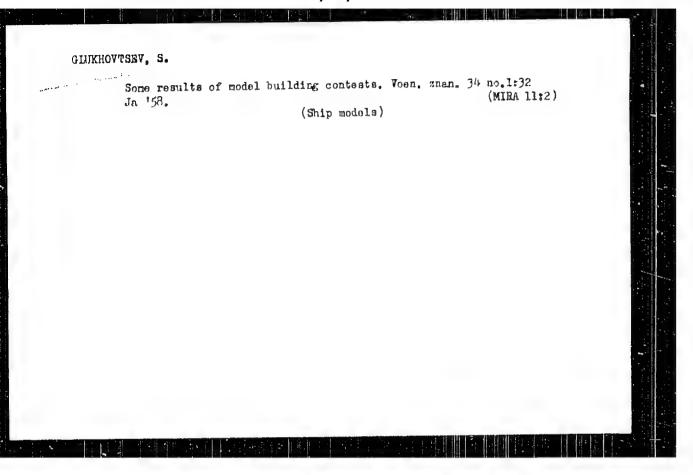
(Shipa--Models)

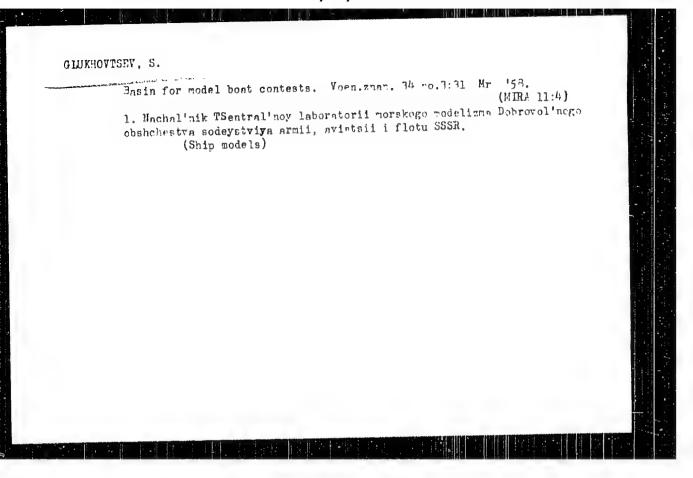
GLUKHOVTSEV, S.

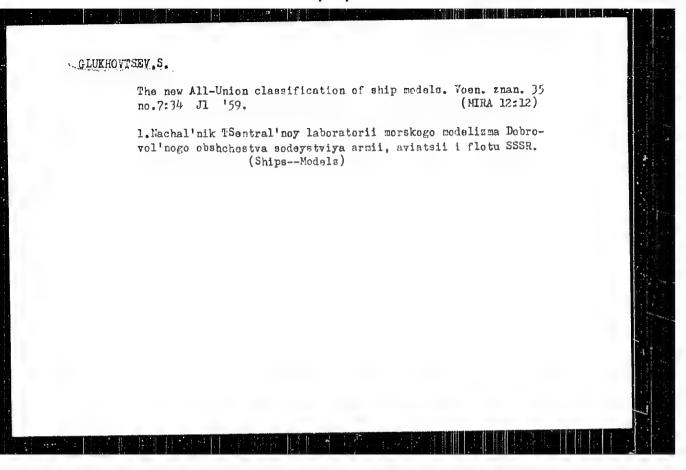
New competitionrules for model ship builders. Voen. znan. 33 no.3:31
Mr '57.

1. Nachal'nik TSentral'noy laboratorii morskogo modelizma Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu SSSR.

(Ship models)



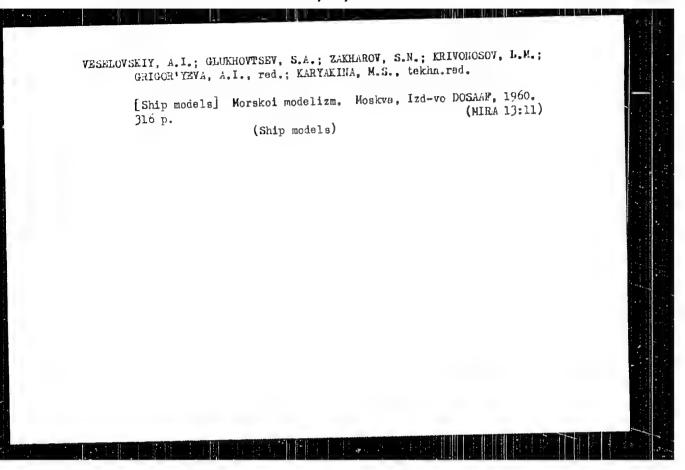


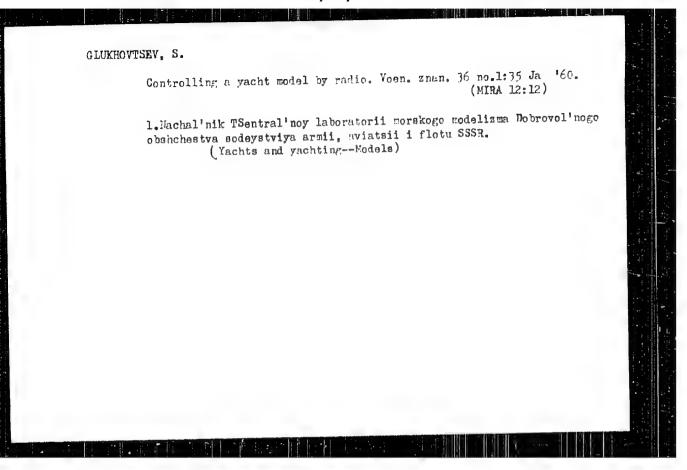


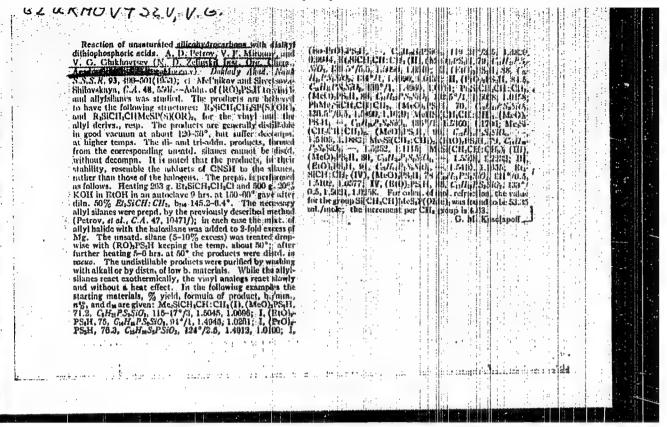
GLUKHOVPSEV, S., aud'ya respublikanskoy kategorii, Flavnyy sud'ya veesoyuznykh morevnovaniy.

Contests among "model fleet" builders. Yoen. zman. 35 no.10:36-37 (MRA 12:12)

(Ships--Models)







"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515420009-5

GLURHOUTSEU, V.G.

USSR/Chemistry - Synthesis

Card 1/1

Pub. 40 - 26/27

Authors

Petrov, A. D.; Mironov, V. F.; and Glukhovtsev, V. G.

Title

The synthesis of diallyl silanes

Periodical :

Izv. Ad SSSR. Otd. khim. nauk 6, 1123-1124, Nov-Dec 1954

Abstract

Data are presented regarding the synthesis of four new diallyl silanes including three with aryl radicals. The chemical characteristics of a hitherto unknown alpha-naphthylmethyldichlorosilane are described. Five

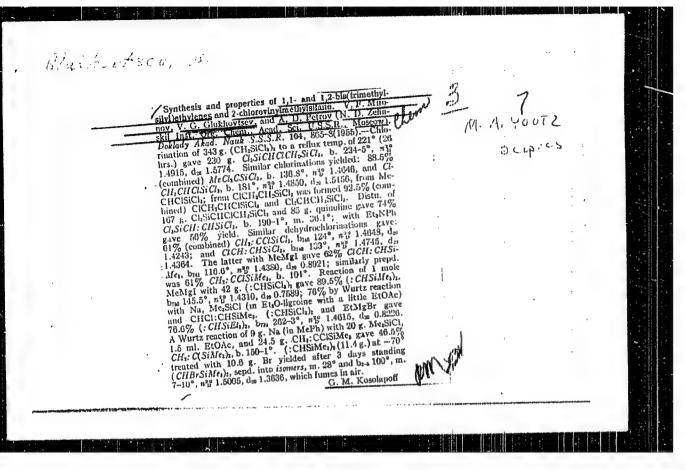
references: 4 USOR and 1 USA (1949-1954). Table.

Institution :

Acad. of Sc., USSR, The N. D. Zelinskiy Institute of Organ. Chemistry

Submitted

July 12, 1954



SHUMECUTSEY, V. S. == "The synthesis and Properties of Insaturated bilened and distlance." Academy of Detence Using Institute of Organic conditive immedia. D. Sellinsity Academy, 1-50. (Dissertation for the Dagra of Cardillate of Clemical Sciences)

So: Enixhay Lateria' to 44, Cate or 1,50, Academy

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515420009-5

· USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referse Thur - Knimiga, No :, 177, the

Author: Petrov, A. D., Mirenov, V. F., and Glukhovtsev, V. G.

Institution: Academy of Sciences USAR

Title: Wurtz-type Synthesis of Organosisicon Compounds with a Bouble Bond in

the α -Position

Original

Periodical: Izv. AN SASR, Section on Chemical Sciences, 1956, No 4, 461-460

Abstract: The condensation of trialkylchlorosilanes with derivatives of

 CH_2 = CHC1 (I) with the aid of Na and in the presence of ethyl acetate gives high yields of organosilicone compounds with α -positioned louble bonds. The condensation of SiCl_h (II) with I under such conditions yields (CH₂ = CH)_hSi (III), while (CH₃)₂C = CHBr (IV) and CH₃CHBr (V) condensed with ClSi(CH₃)₂C₂H₅ (VI) yield (CH₃)₂C = CHSi(CH₃)₂C₂H₅ (VII) and CH₃CH = CHSi(CH₃)₂C₂H₅ (VIII). Reaction of (CH₃)₃SiCH = CHCi (IX) and (CH₃)₃SiCH = CH₂ (X) with ClSiK₄ (XI), where A = CH₃, yields \(\lambda (CH₃)₃SiCH = \lambda (XII) \) and \(\lambda (CH₃)₃SiCH = \lambda (XIII) \) and \(\lambda (CH₃)₃SiCH = \lambda (XIII) \). Condensation of

Card 1/5

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zon - Khimiya, No. , 1977, No.

Abstract: CHaCCl = CHCHacH (XIV) with XI in the presence of pyridine yields CH3CCl = McH2O3iR: (XV) which, when reacted with XI in the presence of Ma, forms Rosic(CH.) = CHCH ADIR; (KVI); KVI can be hydrolyzed to RaSic(Cha) = CHCH OH (XVII). The latter reacts with CHg = CHCH (XVIII) to give Pisto (CH3) . CHOH, COH, CH2, CH2 (XEX). The CH2 = CH. group is III does not snow activition with MR. The characteristic frequency of the = the in the spectra of III asi (toph) BICH = the is 1,2/2, 1,4 A, 1,004, and 0, 104 cm =. To 140 gms of dispersed Ma in 300 ml of other and 250 gms of II are added 3-5 ml ethyl acetate; a stream of I is passed through the boiling ether for mours. The yield of III is only, up 130.20/Tho.1 im, ngo 1.4035, dg0 0.7509. The chlorination of 2 kg of (2HgSiCl3 gives a conversion of 93% to a mixture of C1CH2CH2SiCl3 (XX), bp 131.70/751 mm, ngC 1.4652, dgC 1.4239, and CH3CHC18iCl3 (XXI), bp 130.50/740.5 mm, ngC 1.4545, dgC 1.3912, in the ratio 1:1.5. The chlorination of XXI at 1250 gives an accompanient to a 1.10 5 relations of CN CC1-34Cl- and an 59% conversion to a 1:0.6 mixture of CH₂CCl₂SiCl₃ and CH₂C1CHClSiCl₃ (XXII) (bp 1000/745 mm, n₂CO 1.5-50, dg^C 1.4161). The chlorination of XX at 1740 results in a 93% conversion to a not easily separable mixture of XXII and CH312CH2SiC1, (XXIII); the

Card 2/5

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515420009-5

USSR/Organic Chemistry - Synthetic Organic Themistry, E-2

Abst Journal: Referat Zhur - Khariya, Wolf, F-7, 80

Abstract: mixture coils at 1 - 1-10.0, from (J.1.11)CHCH3 it is possible to obtain (C.3.11)CH2 in it yields of Aud, by 22.07(4) mm, mg 1 1-2.72, tain (C.3.11)CH2 in it yields of Aud, by 22.07(4) mm, mg 1 1-2.72, tain (C.3.11)CH2 in it is evaluated in the presence of 19.-21.07(4) mm, and them in it are an action of the products of th

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515420009-5

USSR/Organic Chemistry - Synabethe Organic Chemistry, N-C Abst Journal: Referat bur - Khinaya, ho -, if . . .

Abstract: np 1 1 km; my compare error is called Ha, he may VI, ore mislituder ethyl acetate, and all mad IV, VII as prepared in gracis of 51.1%, op 130.50/745 cm, np 1.4561, apt of obey; V and VI give VIII, yield 30.554, is a 1.50/74 min mp. The property of the min mixture of 52 gms XI (R = Mi) and or mas XIV Is refraced for 4 hours, XV (R = CM) and or mass and mass of the color of the color of the color. ON CHall to contained, yheld to for the read, and there are the contained. To a mixture of the past VI (a T 'H', a first pricine, and it is Colle, a contact where are not a many than in the collection of the collection with a collection of the colle of the reaction with ethys abstate. After heating for 3 hours IVI (R = CH₃) is obtained, yield who, by $100^{9}/100$ nm, $n_{\rm b}^{20}$ 1.4360, dg² 0.8369. My (R = C₂H₂) and MI (R = C₂H₃) give MVI (R = C₂H₆), yield 520, bp $101^{9}/2$ nm, $n_{\rm b}^{20}$ 1.4860, as 0.7716. When 16 and of 16 (R = C₂H₃) is 20 mL alcohol are refluxed with 30 mL vate, and 1 drops H71 for house WVII (R = 2 m $^{9}/2$ nm $^{9}/2$ m. for 8 hours, KVII (R = CH₃) is obtained, yield 60%, op = $7^{\circ}/2$ mm, $n_{\rm D}^{20}$ 1.4500, 46° 0.00%. The hydrolysis of AVI (R = 286° yield 50%, by = $10^{\circ}/2$ nm. (g) -476° , 46° 0.00%.

Card 4/5

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Chur - Khimiya, No 1, 1957, 548

Abstract: From XVII (R = CH3) and XVIII, XIX (R = CH3) can be prepared in the presence of CH30Ma, yield 80%, bp 65% ms, np 1.461c, dp 6.9153.

XVII (R = Ch3) and XVIII (rive XIX (R = Ch3)), yield 95%, bp 1130/2 mm, np 1.4732, dp 0.3419.

Card 5/5

APPROVED FOR RELEASE: 09/24/2001 | Dehydrochlotration of disagraphic continues | Dehydrochlotration of chloridate | Dehydrochlotration | Dehydrochlotra

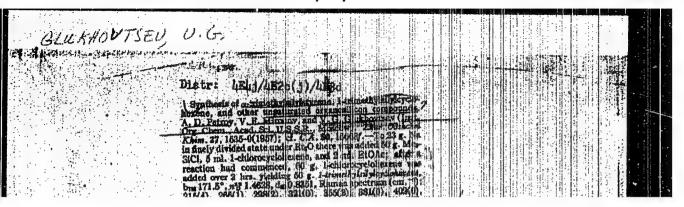
PETROV, A.D.; MIROMOV, V.F.; GLUKHOVTSEV, V.G.; YEGOROV, Yu.P.

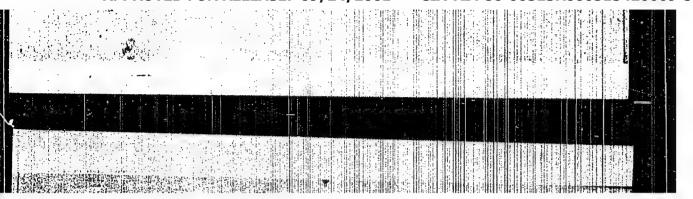
Synthesis and properties of some of the bis-(trimethylsili1)
propylenes. Isv. AN SSSR. Odd. khim. nauk no.9:1091-1100 3 '57.

(MIRA 10:12)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

(Propene)





KORSHAK, V.V.; POLYAKOVA, A.M.; SAKHAROVA, A.A.; PETROV, A.D.;
MIROHOV, V.F.; GLUKHOTTSEV, V.G.; MIKISHIM, G.I.

Polymerization of unsaturated silicon organic compounds under pressure. Part 4: Mono- and disilanes. Zhur. ob. khim. 27 no.9: 2445-2449 S '57. (MIRA 11:3)

1.Institut elementoorganicheskikh soyedineniy i Institut organicheskoy khimii AN SSSR. (Silane) (Polymerization)

AUTHORS:

Meshcheryahov, A. P., Glubbovtsev, V.G. 52-59-5-25/07

TITLE:

The Synthesis of 1-Cyclopropyl-2-Cyclonexyleyelogropy ne

(Sinter 1-triklopropil-2-triklopensiltriklopropin)

PERIODICAL:

Investign A the ii hadd GOSR, Std Heniye lld ion with radd, 1951, Mr 6, 12. 700-700 (TCOR)

ADSTRACT:

In the present paper the without describe a mathematical entiretidution which they worked out for 1-c, clo, reppl-2-c, closer;1cycloprogame. Besides, the suthers tried to obtain 1-cycloprogal--2-henyleyelepro, and from " evantovey"aldehyde (?) and met., 1cyclogropylketone under the size conditions. Instead of an a-obtenyleyelopropyl ketome, tetradecene-6-on-3 was, however, obtained. A new method of obtaining p-obloring-2-pentanene from acetopropylaleohol and hydrochloric acid was worked out. The condensation of methylogologropylk tone under the action of catalysts (alsoholie KOH, C_2H_5 OHa, $Ba(OH)_2$, $Ba(OH)_2$, $Ha(OH)_2$, $Ha(OH)_3$

MOH) what investigated. 2, (, d-tricgelogroup)-2,4 apoxyhexanna-6 was obtained. There are 7 references, 1 of which is Soviet.

Card 1/2

The Synt esis of 1-Cyclopropyl-2-Cycloheayleyelopropine 307/61-8-6-100

ASSOCIATION: Institut organicheskog khimii in. N.D.Delinahogo Akalemii mauk

SSSR (Institute of Organic Che istry ideni M.D. Celinchiy, AS USGR)

SUPMITTED: January 21, 1968

> 1. Propanes--Synthesis 2. Ketones--Condensation 3. Alcohol: -- Chemical reactions 4. Hydrochloric acits Chemical reactions

5. Catalysts--Performance

Card 2/2

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515420009-5

5 (3) AUTHORS: Meshcheryakov, A. P., Glukhovisev, Va.J. 507/62-59-8-28/42

PITLE:

Preparative Method for the Synthesis of Methylcyclopropylketone

PERIODICAL:

Izvestiya Akademii nauk SSJR. Otdeleniye khimicheskikh nauk.

1959, Nr 8, pp 1490-1492 (USSR)

ABSTRACT:

First of all a survey of the development of the preparative method for the above mentioned compound is given and the following Soviet scientists are cited: Idz'kovskaya and Vagner (Ref 11), Dem'yanov and Pinegin (Ref 12), Rozanov (Ref 15). Slobodin and Shokhor (Ref 16), Zelinskiy and Den'gin (Ref 18). D'yakonov (Ref 19). Acetopropylchloride was synthesized as the initial product for the ensuing synthesis of nethylcyclepropyl. ketone. In the course of this process the method used up to now could be improved so as to permit a yield of 76% instead of 64%, Methylcyclopropylketone was obtained from acetylchloride and caustic potash with a yield of 95% compared to the maximum yield of 76% which has so far been obtained. A description of the syntheses and the physical data of the materials obtained are given in the experimental part, There are 27 references, 11 of which are Soviet.

Card 1/2

Preparative Method for the Synthesis of Methylcyclopropylketone

507/62-59-8-28/42

ASSOCIATION:

Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk

SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy,

Academy of Sciences, USSR)

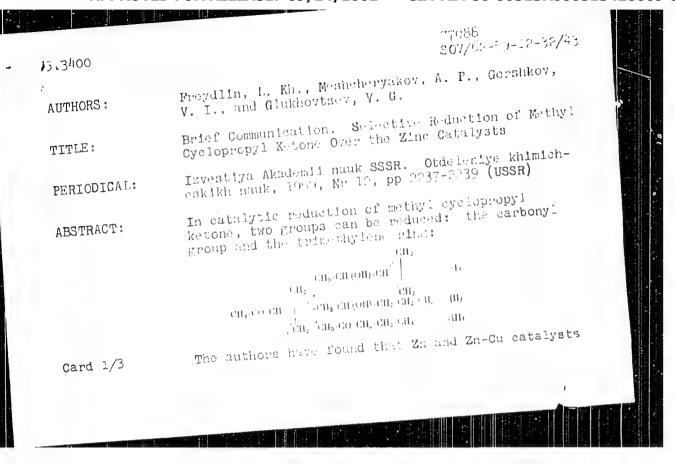
SUBMITTED:

February 9, 1959

Card 2/2

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515420009-5



Brief Communication. Selective Reduction of Methyl Cyclopropyl Ketone Over the Zinc

77088 \$07/68-59-12-32/43

Catalysts

(in the temperature interval 80-160° and 130 atm pressure) cause selective reduction of the carbonyl group, according to path (I) of the above equation, while Cu catalysts first cause (at 80°) hydrogenation of the trime thylene ming (path III). DePentanol is formed above 105°. This behavior of methyl cyclopropyl betone during catalytic reduction is similar to the reduction of CL, Beausaturated ketones (and aldehydes). There are 2 figures; 2 tables; and 10 references. 7 Soviet, 3 U.S. The U.S. references are: V. A. Slabey, P. H. Wise, J. Am. Chem. Soc., 71, 3252 (1949); R. V. Volkenburgh, K. W. Greenlee, J. M. Derfer, C. E. Boord, J. Am. Chem. Soc., 71, 3595 (1949); W. F. Bruce, G. Mueller, J. Scifter, J. L. Shabo, U. S. Pat. 2494084, Chem. Abstr., 45, 177 (1951).

ASSOCIATION:

N. D. Zelinskiy Institute of Organic Chemistry of the Academy of Sciences, USSR (Institut organicheskoy

Card 2/3

Brief Communication. Selective Reduction of 77068
Methyl Cyclopropyl Ketone Over the Zinc SOV/62-59-12-32/43

khimit imeni N. D. Zelinskogo Akademii nauk SSSR)

SUBMITTED: May 4, 1955

Card 3/3

Viryl ethers of sethyl- and simpth developropylearbinols. Lzv.
AM Sour, Otd. khim. mank no.11:2002-2003 N '66. (s.Ra 1):11)

1. Institut organicheskov khimii in.M.D.selinskogo AM SSSA (Ethers)

Synthesis of di-, tri-, and tetracobstituted eyeloprepane hydrocarbons by the Kilhner reaction. Tay. M. SEGR. Ctd. khim. nauk no. 1:114-119 Ja '61. (MTA 14:2)

1. Insitut organichaskoy khimii im. N.D. Telinskogo AN SEGR. (Cyclopropane)

23591 15 8102 s/062/61/000/005/008/009 2209 B118/B220

AUTHORS: Shostakovskiy, M. F., Gracheva, Ye. P., Meshcheryakov, A. P.,

TITLE: Polymerization of the vinyl ether of methyl cyclopropyl

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh

TEXT: In Ref. 1 (B. A. Zakharov et al., Dokl. ANSSSR, 122, no. 5, 814 (1958)), it has been stated that the double bond of the vinyl ethers has an increased nucleophilic character which manifests itself in various addition reactions, transformations, and especially in the polymerization reaction. For the study of the conditions of polymerization of the compounds CH₂ = CHOR (I), the vinyl ether of methyl cyclopropyl carbinol is

According to the rule of Markovnikov, the cyclopropyl group of this ether,

Polymerization of the...

23591 \$/062/61/000/005/008/009 B118/B220

as possible carrier of the propenyl group, is able to add various polar compounds. Moreover, this ether may be of interest as test substance for the synthesis of different polymers in the polymerization and corolymerization reactions. The present paper describes the polymerization of the vinyl ether of methyl cyclopropyl carbinol in the presence of the initiators FeCl₃ and azonitrile isobutyric acid under optimum conditions for

the polymerization of the vinyl alkyl ethers. It has been found that compound (II) shows higher reactivity during polymerization in the presence of a 5% solution of iron perchloride (in dioxane) than vinyl alkyl ethers (I) under the same conditions. First of all, this is evident from the fact that the polymerization of the ether (II) begins at O°C and the highest vinyl alkyl ethers polymerize at boiling temperature of -17 to -20°C whereas other such diverging temperatures of polymerization is the different stability of the ozonium complexes of these compounds (I, II):

Card 2/3

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515420009-5

Polymerization of the. ...

23591 \$/062/61/000/005/008/009

Evidently, complex (IV) is of lower stability; its decomposition is effected at a low temperature resulting also in the formation of a polymer at lower temperature. The use of azonitrile isobutyric acid as initiator instead of FeCl, did not give any results. There are 3 Soviet-bloc references.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii

nauk SSSR (Institute of Organic Chemistry im. N. D. Zelinskiy,

Academy of Sciences USSR)

SUBMITTED: October 12, 1960

Card 3/3

MESPCHERYMFOV, A.P.; GLLEHOVTSEV, V.G.; LEMIN, N.N.

1-Syclopropyl-2-A-furylcyclopropane and its transformations.

Icv.AB SEER, 3td.khim.nauk no.10:1901-1903 0 '61. (MIRA 14:10)

1. Institut organicheskoy khimii im. B.D.Zelinskogo AN SSSR.

(Cyclopropane)

MESHCHERYAFOV, A.F.; OLUKHOVTSEV, V.G.

Preparation of 1-cyclopropyl-2-(butanone-1'-ol-4')cyclopropane.

Izv. AN SSSR Otd.khim.nauk no.12:2248-2250 v '61. (XIR. 14:11)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

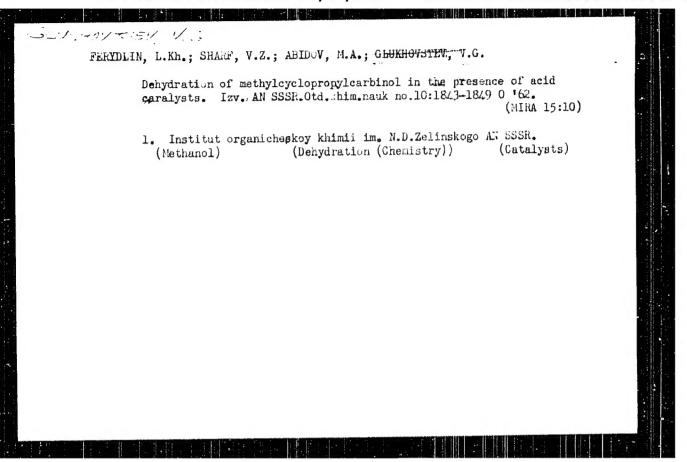
(Cyclopropane)

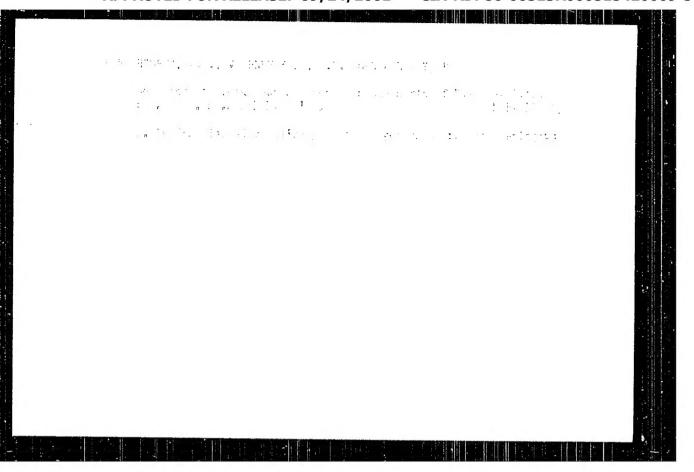
MESHOWERVARIA, A.P.: Olitheovicity, v.e.

Synthesis of 1,3-dicyclogrospyl-2-Automethone, law. AN LOOM of L.Primtone no.1:176-178 of 12. (Klad 1:1)

1. Institut organicheskoy khimii im. U.D.Zelinskogo AU SSSA.

(Retone) (Cyclopropane)





3/062/63/000/003/009/018 B101/B186

AUTHORS:

Shuykin, N. I., Petrov, A. D., Glukhovtsev, Y. G, and

Karakhanov, R. A.

TITLE:

Transformations of the 1-methyl-2-a-furyl cyclopropane and

1-cyclopropyl-2-a-furyl cyclopropane on catalytic hydrogena-

tion

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh

nauk, no. 3, 1963, 521 - 524

TEXT: Hydrogenation of the 1-methyl-2-α-furyl cyclopropane gave rise to 2-n-butyl and that of the 1-cyclopropyl-2-α-furyl cyclopropane with a palladium-carbon catalyst (15 % Pd) at 300°C produced 2-n-hexyltetrahydro-furan, with a yield of about 95 %. The hydrogenation of the furan rings proceeds in these bicyclic or tricyclic systems just as easily as with the simplest alkyl derivatives of the furan. The cyclopropane ring is broken open by the addition of hydrogen. The ring cleavage takes place between the tertiary C atoms. Synthesis of the 1-methyl-2-a-furyl-cyclopropane, Card 1/2

Transformations of the ...

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the 3-methyl-5-a-furyl pyrazolin in the presence of dry KOH is suggested. The yield is 90 %.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii

nauk SSSR (Institute of Organic Chemistry imeni N. D.

Zelinskiy of the Academy of Sciences USSR)

SUBMITTED:

June 4, 1962

Card 2/2